



SEQUENCE LISTING

B
<110> Pangene Corporation

<120> Locked Nucleic Acid Hybrids and Methods of Use

<130> FP-68112-1-PC/RFT/RMS

<140> PCT/US00/10909

<141> 2000-04-21

<150> USSN 60/130,345

<151> 1999-04-21

<150> USSN 09/557,423

<151> 2000-04-21

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: B-DNA

<400> 1

cctcgaggtc gacggtatcg ataagcttga tatcgaattc ctgcagcccg ggggatccac 60
ta 62

<210> 2

<211> 62

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: B-DNA

<400> 2

tagtggatcc cccgggctgc aggaattcga tatcaagctt atcgataccg tcgacctcga 60
gg 62

<210> 3

<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Z-DNA

<400> 3
cctcgaggtc gacggtatcg ataagcttga ttgtgtgtgt gtgtgtgtgt atcgaattcc 60
tgcagcccgg gggatccact a 81

<210> 4
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Z-DNA

<400> 4
tagtggatcc cccgggctgc aggaattcga tacacacaca cacacacaca atcaagctta 60
tcgataccgt cgacctcgag g 81

<210> 5
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Quadraplex
forming DNA

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cctcgaggtc gacggtatcg ataagcttga tttgggggttg gggttatcga attcctgcag 60
cccgggggat ccacta 76

<210> 6
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Quadraplex
forming DNA

<400> 6

tagtggatcc cccgggctgc aggaattcga ttggggttg gggttatcaa gcttatcgat 60
accgtcgacc tcgagg 76

<210> 7

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Z-DNA

<400> 7

acacacacac acacacaca 19

<210> 8

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Z-DNA

<400> 8

tgtgtgtgtg tgtgtgtgt 19

<210> 9

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Quadraplex
forming DNA

<400> 9

ttgggggttg gggtt 14

<210> 10

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Triplex
forming DNA

<400> 10

agcttcacctc ctccctcccc taatacccca cccaccaccc g

41

<210> 11

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Triplex
forming DNA

<400> 11

aattcgggtg gtgggtgggg tattagggga gggaggaggg a

41

<210> 12

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: FECO peptide

<400> 12

Asn	Gln	Ile	Arg	Met	Lys	Ile	Gly	Val	Met	Phe	Gly	Asn	Pro	Glu	Thr
1				5				10						15	

Thr	Thr	Gly	Gly
			20

<210> 13

<211> 27

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: nuclear
localization sequence. FECO fusion

<400> 13

Pro	Leu	Leu	Leu	Ala	Leu	Val	Asn	Gln	Ile	Arg	Met	Lys	Ile	Gly	Val
1				5					10					15	

Met Phe Gly Asn Pro Glu Thr Thr Thr Gly Gly
20 25

<210> 14
<211> 7
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Description of
Artificial Sequence: nuclear localization
sequence. FECO fusion

<400> 14
Pro Leu Leu Leu Ala Leu Val
1 5

<210> 15
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: reference
sequence

<400> 15
tatac

5

<210> 16
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: reference
sequence

<400> 16
gtata

5

<210> 17
<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: quadruplex
forming DNA

<400> 17

ttgggggttg gggt

14

<210> 18

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: triplex
forming DNA

<400> 18

gggtggtggg tggggtatta ggggagggag gaggg

35